COMBINED DECLARATION AND POWER OF ATTORNEY

As a below	named named	inventor,	I hereby	declare	that
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[X]	original
[]	divisional
[]	continuation
Γĺ	continuation-in-part

This declaration is of the following type:

INVENTORSHIP IDENTIFICATION

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TITLE OF INVENTION

"METHOD AND APPARATUS FOR CONTROLLING DOPANT CONCENTRATION DURING BPSG FILM DEPOSITION TO REDUCE NITRIDE CONSUMPTION"

SPECIFICATION IDENTIFICATION

The specification of which:

[X]	is attached hereto	
[]	was filed on, under Serial No, executed on even date herew	ith: o
	[] Express Mail No.(as Serial No. not yet known) and was amended on applicable)	(i
[]	was described and claimed in PCT International Application No fi and as amended under PCT Article 19 on	led or

ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, 1.56,

and which is material to the examination of this application; namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and

In compliance with this duty there is attached an Information Disclosure Statement in accordance with 37 CFR 1.98.

PRIORITY CLAIM (35 U.S.C. §119)

I hereby claim foreign priority benefits under Title 35, United States Code, §119, of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than

•			
the United States of America or of any United States Provisional Application(s) listed below, and have also			
identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s)			
designating at least one country other than the United States of America filed by me on the same subject matter			
having a filing date before that of the application(s) of which priority is claimed.			

[X]	No such applications have been filed.
[]	Such applications have been filed as follows

Prior foreign/PCT/provisional application(s) filed within 12 mos. (6 mos. for design) prior to this A. application, and any priority claims under 35 U.S.C. § 119

Country/PCT **Application No** Date Filed **Priority Claimed** [] Yes [] No [] Yes [] No

All foreign application(s), if any, filed more than 12 mos. (6 mos for design) prior to this U.S. B. application

Country: Application No: Filing date:

PRIORITY CLAIM (35 U.S.C. §120)

I hereby claim the benefit under Title 35, United States Code, § 120, of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, . 112, I acknowledge the duty to disclose information that is material to the examination of this application (namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

\mathbf{X}	No such applications have been filed
]	Such applications have been filed, as follows:

Status Patented Pending Abandoned Serial No. Filing Date

POWER OF ATTORNEY

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

> Peter J. Sgarbossa Registration No. 25,610 Donald Verplancken Registration No. 33,217 Lawrence Edelman Registration No. 25,226 Michael B. Einschlag Registration No. 29,301 Joseph Bach Registration No. 37,771 Raymond Kam-On Kwong Registration No. 37,165

James C. Wilson Registration No. 35,412 Walter Benjamin Glenn Robert W. Mulcahy Registration No. 44,713 Registration No. 25,436

my patent attorneys and/or agents of APPLIED MATERIALS, INC, located at M/S 2061, 3050 Bowers Avenue, Santa Clara, California 90504, and

William E. Alford, Reg. No. 37,764; Farzad E. Amini, Reg. No. 42,261; William Thomas Babbitt, Reg. No. 39,591; Carol F. Barry, Reg. No. 41,600; Jordan Michael Becker, Reg. No. 39,602; Lisa N. Benado, Reg. No. 39,995; Bradley J. Bereznak, Reg. No. 33,474; Michael A. Bernadicou, Reg. No. 35,934; Roger W. Blakely, Jr., Reg. No. 25,831; R. Alan Burnett, Reg. No. 46,149; Gregory D. Caldwell, Reg. No. 39,926; Thomas M. Coester, Reg. No. 39,637; Donna Jo Coningsby, Reg. No. 41,684; Florin Corie, Reg. No. 46,244; Mimi Diemmy Dao, Reg. No. 45,628; Dennis M. deGuzman, Reg. No. 41,702; Stephen M. De Klerk, Reg. No. 46,503; Michael Anthony DeSanctis, Reg. No. 39,957; Daniel M. De Vos, Reg. No. 37,813; Justin M. Dillon, Reg. No. 42,486; Sanjeet Dutta, Reg. No. 46,145; Matthew C. Fagan, Reg. No. 37,542; Tarek N. Fahmi, Reg. No. 41,402; Thomas S. Ferrill, Reg. No. 42,532; George Fountain, Reg. No. 37,374; James Y. Go, Reg. No. 40,621; James A. Henry, Reg. No. 41,064; Libby N. Ho, Reg. No. 46,774; Willmore F. Holbrow III, Reg. No. 41,845; Sheryl Sue Holloway, Reg. No. 37,850; George W Hoover II, Reg. No. 32,992; Eric S. Hyman, Reg. No. 30,139; William W. Kidd, Reg. No. 31,772; Sang Hui Kim, Reg. No. 40,450; Walter T. Kim, Reg. No. 42,731; Eric T. King, Reg. No. 44,188; George Brian Leavell, Reg. No. 45,436; Kurt P. Leyendecker, Reg. No. 42,799; Gordon R. Lindeen III, Reg. No. 33,192; Jan Carol Little, Reg. No. 41,181; Robert G. Litts, Reg. No. 46,876; Julio Loza, Reg. No. P47,758; Joseph Lutz, Reg. No. 43,765; Michael J. Mallie, Reg. No. 36,591; Andre L. Marais, Reg. No. P048,095; Paul A. Mendonsa, Reg. No. 42,879; Clive D. Menezes, Reg. No. 45,493; Chun M. Ng, Reg. No. 36,878; Thien T. Nguyen, Reg. No. 43,835; Thinh V. Nguyen, Reg. No. 42,034; Robert B. O'Rourke, Reg. No. 46,972; Daniel E. Ovanezian, Reg. No. 41,236; Kenneth B. Paley, Reg. No. 38,989; Gregg A. Peacock, Reg. No. 45,001; Marina Portnova, Reg. No. 45,750; William F. Ryann, Reg. 44,313; James H. Salter, Reg. No. 35,668; William W. Schaal, Reg. No. 39,018; James C. Scheller, Reg. No. 31,195; Jeffrey S. Schubert, Reg. No. 43,098; George Simion, Reg. No. 47,089; Maria McCormack Sobrino, Reg. No. 31,639; Stanley W. Sokoloff, Reg. No. 25,128; Judith A. Szepesi, Reg. No. 39,393; Edwin H. Taylor, Reg. No. 25,129; John F. Travis, Reg. No. 43,203; Joseph A. Twarowski, Reg. No. 42,191; Mark C. Van Ness, Reg. No. 39,865; Tom Van Zandt, Reg. No. 43,219; Brent E. Vecchia, Reg. No. P48,011; Lester J. Vincent, Reg. No. 31,460; Archana B. Vittal, Reg. No. 45,182; Glenn E. Von Tersch, Reg. No. 41,364; John Patrick Ward, Reg. No. 40,216; Mark L. Watson, Reg. No. 46,322; Thomas C. Webster, Reg. No. 46,154; and Norman Zafman, Reg. No. 26,250; my patent attorneys, and Firasat Ali, Reg. No. 45,715; and Raul Martinez, Reg. No. 46,904, my patent agents, of BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP, with offices located at 12400 Wilshire Boulevard, 7th Floor, Los Angeles, California 90025, telephone (310) 207-3800, and James R. Thein, Reg. No. 31,710, my patent attorney with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith. Direct telephone calls to: Send correspondence to:

> Patent Counsel, MS/2061 Legal Affairs Dept. Applied Materials, Inc. 3050 Bowers Avenue Santa Clara, CA 95054.

Michael A. Bernadicou (408) 720-8300

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Sec. 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full name of sole or first	inventor: Kevin Mukai	
Inventor's signature:	Kerin Muhi	Date: 6/29/01
Residence:	Santa Clara, CA	
Post Office Address:	2012 Cabrillo Court	
	Santa Clara, CA 95051	
	U.S.A.	Country of Citizenship: USA
Full name of second inventor: Shankar Chandran Inventor's signature:		Date:
Residence: Post Office Address:	San Jose, CA	
rost Office Address:	494 White Chapel Ave San Jose, CA 95136	
	•	Country of Citizenski L. I.
	U.S.A.	Country of Citizenship: India

(Declaration ends with this page)

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

This declaration is of the following type:

[X] [] []	original divisional continuation continuation-in-part		
INVENTORSHIP IDENTIFICATION			
My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:			
TITLE OF INVENTION			
"METHOD	AND APPARATUS FOR CONTROLLING DOPANT CONCENTRATION DURING BPSG FILM DEPOSITION TO REDUCE NITRIDE CONSUMPTION"		
SPECIFICATION IDENTIFICATION			

The specification of which:

[X]	is attached hereto	
[]	was filed on, under Serial No. , executed on eve	n date herewith; or
	[] Express Mail No.(as Serial No. not yet known) and was amended on applicable)	(if
[]	was described and claimed in PCT International Application No and as amended under PCT Article 19 on	filed on

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the United States of America or of any United States Provisional Application(s) listed below, and have also
identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s)
designating at least one country other than the United States of America filed by me on the same subject matter
having a filing date before that of the application(s) of which priority is claimed.

[X] No such applications have been filed.[] Such applications have been filed as follows:

A. Prior foreign/PCT/provisional application(s) filed within 12 mos. (6 mos. for design) prior to this application, and any priority claims under 35 U.S.C. § 119

Country/PCT Application No

Date Filed Priority Claimed

[] Yes [] No

[] Yes [] No

B. All foreign application(s), if any, filed more than 12 mos. (6 mos for design) prior to this U.S. application

Country:
Application No:
Filing date:

PRIORITY CLAIM (35 U.S.C. §120)

I hereby claim the benefit under Title 35, United States Code, § 120, of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, 112, I acknowledge the duty to disclose information that is material to the examination of this application (namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

[X] No such applications have been filed[] Such applications have been filed, as follows:

Serial No. Filing Date Status

Patented Pending Abandoned

POWER OF ATTORNEY

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

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Michael B. Einschlag Registration No. 29,301
Joseph Bach Registration No. 37,771

Raymond Kam-On Kwong Registration No. 37,165

James C. Wilson Registration No. 35,412

Walter Benjamin Glenn Robert W. Mulcahy Registration No. 44,713 Registration No. 25,436

my patent attorneys and/or agents of APPLIED MATERIALS, INC, located at M/S 2061, 3050 Bowers Avenue, Santa Clara, California 90504, and

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Michael A. Bernadicou (408) 720-8300

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Full name of sole or first inventor: Kevin Mukai			
Inventor's signature:		Date:	
Residence:	Santa Clara, CA		
Post Office Address:	2012 Cabrillo Court		
	Santa Clara, CA 95051		
	U.S.A.	Country of Citizenship: USA	
Full name of second inv Inventor's signature: Residence: Post Office Address:	San Jose, CA 494 White Chapel Ave San Jose, CA 95136 U.S.A.	Date: 7/15/2007 Country of Citizenship: India	